U.S. Army Transportation School
Deployment and Deployment Systems Department
Strategic Deployment Division

"CONVOY CALCULATIONS AND FORMS WORKSHEETS"
Classroom Exercises

Example: Density Computation (from lesson slide)

You have 10 vehicles in a convoy. Find their lengths in inches as listed in TB 55-46-1:

1. M915 / M131A4C -
2. M35A2C / M149 -
3. M931 / M871 -
4. M984A1
5. M35A2C -
6. M929A2 -
7. M931A2 -
8. M998 -
9. M923A2 -
10. M109WWN -

Add all vehicle lengths: _____ inches

Classroom Exercise: **First Requirement**

18. **ETA AND ETD AT STATE LINES, MAJOR ROAD JUNCTIONS, MAJOR BRIDGES AND TUNNELS, METROPOLITAN AREAS AND OVERNIGHT HALT SITES**. (Continue on a separate sheet if additional space is required)

a. LOCATION	b. ETA	c. DATE	d. ETD	e. DATE
SP				
CP1				
CP2				
RP				

Prepare **DD FORM 1265 Block 18**

18. **ETA AND ETD AT STATE LINES, MAJOR ROAD JUNCTIONS, MAJOR BRIDGES AND TUNNELS, METROPOLITAN AREAS AND OVERNIGHT HALT SITES**. (Continue on a separate sheet if additional space is required)

a. LOCATION	b. ETA	c. DATE	d. ETD	e. DATE
SP	**1400**	**COMPLETE ETA COLUMN FIRST!!!!**		
	+ 60 (Time Dist)			
	+ 0 (Brk at SP)			
CP1	**1500**			
	+ 15 (Time Dist)			
	+ 15 (Brk at CP1)			
CP2	**1530**			
	+ 30 (Time Dist)			
	+ 0 (Brk at CP2)			
RP	**1600**			

18. **ETA AND ETD AT STATE LINES, MAJOR ROAD JUNCTIONS, MAJOR BRIDGES AND TUNNELS, METROPOLITAN AREAS AND OVERNIGHT HALT SITES**. (Continue on a separate sheet if additional space is required)

a. LOCATION	b. ETA	c. DATE	d. ETD	e. DATE
SP	**1400** →	+ 2 (Pass Time) + 0 (Brk at SP)	→ **1402**	
CP1	**1500** →	+ 2 (Pass Time) + 15 (Brk at CP1)	→ **1517**	
CP2	**1530** →	+ 2 (Pass Time) + 0 (Brk at CP2)	→ **1532**	
RP	**1600** →	+ 2 (Pass Time) + 0 (Brk at RP)	→ **1602**	

Classroom Exercise: **Second Requirement**

INFORMATION GIVEN		**DETERMINE**
Number of Vehicles:	40	
Rate of March:	40 mph	* TIME DISTANCES
Density:	20 VPM	
Time Gap:	10 minutes	* PASS TIME
Break at CP1:	20 minutes	
Start Time:	1300 hrs	* ETA/ETD FOR ALL
SP to CP1	60 miles	POINTS
CP1 to CP2	40 miles	
CP2 to CP3	60 miles	USE EXAMPLE FORM
CP3 to RP	20 miles	BELOW

18. ETA AND ETD AT STATE LINES, MAJOR ROAD JUNCTIONS, MAJOR BRIDGES AND TUNNELS, METROPOLITAN AREAS AND OVERNIGHT HALT SITES. (continue on a separate sheet if additional space is required)

a. LOCATION	**b. ETA**	**c. DATE**	**d. ETD**	**e. DATE**

SECTION II - VEHICLE AND LOAD DATA							
DESCRIPTION a.	TYPE (2-ton etc) b.	NO. OF VEHS c.	REG NO. d.	HEIGHT e.	WIDTH f.	LENGTH g.	WEIGHT h.
12. VEHICLE							
(1) TRUCK							(Empty)
(2) TRUCK TRACTOR							(Empty)
(3) TRAILER							(Empty)
(4) SEMI-TRAILER							(Empty)
(5) OTHER (specify)							(Empty)
13. LOAD							
14. OVERALL (Vehicle and Load)							

17. NUMBER OF AXLES: **1** (A) **2** (B) ○ (C) ○ (D) ○ (E) ○ (F) ○ (G) ○ (H)

	AXLE 1 a.	AXLE 2 b.	AXLE 3 c.	AXLE 4 d.	AXLE 5 e.	AXLE 6 f.	AXLE 7 g.	AXLE 8 h.	TOTAL i.
18. NUMBER OF TIRES									
19. TIRE WIDTH (inches)									
20. TIRE SIZES									
21. AXLE LOAD (Empty)									
22. AXLE LOAD (Loaded)									
23. AXLE SPACING (See item 14 for identification)	A SPACING	B SPACING	C SPACING	D SPACING	E SPACING	F SPACING	G SPACING	H SPACING	